## ABSTRACT OF THE DISCLOSURE

A digital communication device, comprising: decoder which calculates likelihoods indicative of probability in which a signal received from another communication
5  corresponds to a plurality of signal sequences; a relative likelihood calculator which calculates a relative likelihood expressing differences and ratios between the most probable likelihood among the calculated likelihoods and the other likelihoods; and a transmission parameter deciding unit
10  which decides a transmission parameter composed of at least one of modulation scheme, a coding rate and a transmission power for a signal to be transmitted at next time, based on the calculated relative likelihood.